



## MATERIAL SAFETY DATA SHEET

Page 1 of 5

**Product : CHLOROFORM**

Product Code : DL5100- 200mL Amber Poisons Bottle

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Chloroform

**Recommended use:** Solvent for professional dental use.

**Contact Information Organisation**

**Location**

Dentalife Australia Pty Ltd  
Ringwood, VIC 3134

Factory 9 / 505 Maroondah Highway

**Telephone**

**Fax Number**

(03) 9879 1226 International : +61 3 9879 1226 (03) 9879 1376 International : +61 3 9879 1376

For Advice in an Emergency contact:

Australia Poisons Information Centre (24 hour, 7 days a week)

Phone: 13 11 26

New Zealand Poisons Information Centre (24 hour, 7 days a week)

Phone: 0800 764 766

Or a Doctor at once

### 2. HAZARD IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

**Signal Word**

**Danger**



**Hazard Statement:** Substances which can cause death or chronic toxicity by inhalation, ingestion or skin contact (DL50 ≤ 2000 mg/kg).

H302 Harmful if swallowed

H312 Harmful in contact with skin

H332 Harmful if inhaled

**Safety Statement *Caution:*** Work with protective clothes, gloves in a ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition**

**CAS No.**

**Proportion (% w/v)**

Chloroform

67-66-3

100.0 %



## MATERIAL SAFETY DATA SHEET

Page 2 of 5

### 4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

#### First Aid

- Swallowed : Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek immediate medical assistance.
- Eye : Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
- Skin : Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
- Inhaled : Remove victim to fresh air. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical assistance.

**First Aid Facilities :** Maintain eye wash and drench facilities in the work place.

**Advise to Doctor :** Consult Poisons Information Centre Ph : 13 11 26

If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical assistance

**Carcinogenicity:** Carcinogen Category 3 – Substance suspected of having carcinogenic potential  
– Work Safe Aust.

### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Water spray, dry chemical, carbon dioxide, or appropriate foam.

**Unusual fire and explosion hazards:** Will burn on prolonged exposure to flame or high temperature. Fire or heat will produce irritating, poisonous and/or corrosive gases. Run off may pollute waterways.

**Special protective equipment:** Wear approved respirator and protective gear.  
Use water spray to cool containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Protective gloves and safety glasses should be worn when handling the Chloroform.

**Environmental precautions:** Prevent from entering into drains, native or natural environments, ie river systems

**Methods and materials for containment and cleaning up:** Do NOT touch spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains and confined areas.



## MATERIAL SAFETY DATA SHEET

Page 3 of 5

### 7. HANDLING AND STORAGE

**Handling:** Ensure cap for bottle is replaced and tightly closed immediately after use. May corrode some forms of plastics, rubber, and coatings.

**Storage:** Stored in a cool, dry, well ventilated area and out of direct sunlight. Store away from strong bases, oxidizing agents, metals, ketone solvents and aluminum. Keep containers securely sealed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Not required under normal conditions of use.
Hand protection:	Rubber, latex or PVC gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Follow good housekeeping practices and good industrial hygiene in handling this material.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance .....	Heavy, colourless, volatile, highly refractive liquid.
Odour.....	Characteristic odour.
Odour Threshold .....	200 – 300 ppm
Boiling Point (°C) .....	61.2
Melting Point (°C) .....	-63.5
Vapour Pressure .....	213 hPa (20°C)
Specific Gravity .....	1.485g/mL @ 20°C
Flashpoint (oC) .....	NA
Flammability Limits (%) .....	NA
Autoignition Temp. ....	982°C
Solubility in Water (g/L) .....	8 g/L @ 20°

### 10. STABILITY AND REACTIVITY

**Stability:** Stable when kept cool and dry.

**Materials to avoid:** strong bases, oxidizing agents, metals, ketone solvents and aluminum.

**Hazardous decomposition products:** Toxic fumes of carbon oxides, hydrogen chloride and phosgene

**Hazardous reactivity:** On contact with strong bases a slow reaction occurs due to low solubility of base in chloroform. If methanol (or other cosolvent ) is present, reaction may be explosive. Contact with ketone plus strong base may cause violent or explosive reaction. Contact with alkaline metals or aluminum may cause violent or explosive reaction. Contact with strong oxidizing agents yields phosgene and chlorine.



## MATERIAL SAFETY DATA SHEET

Page 4 of 5

### 11. TOXICOLOGICAL INFORMATION

#### Acute

Swallowed : Harmful if swallowed. May cause gastrointestinal upset. Causes severe burning in mouth and throat, pain in chest and vomiting. May also cause severe irritation to the mouth, oesophagus and stomach after prolonged exposure. Large quantities may cause symptoms similar to inhalation. Possible hepato-renal (liver and kidney) problems and cardiovascular problems may occur. Symptoms may include nausea, vomiting, perforation with severe abdominal pain and breathing difficulties.

Eye : May cause moderate to severe irritation to the eye with a passing sensation of intense burning. Splashes may cause severe irritation and possible eye damage.

Skin : Contact with skin may result in irritation. Can be absorbed through the skin with resultant toxic effects.

Inhaled : Acts as a relatively potent anaesthetic. May cause nausea, vomiting, drowsiness, dizziness and headache. High concentrations can cause central nervous system depression and cardiac arrhythmia. Exposure to higher concentrations may result in confusion, hallucinations, perceptual distortions, delirium, shortness of breath; possibly leading to loss of consciousness and even death. May cause liver injury and blood disorders. Cardiac disorders are aggravated by stress and lack of oxygen.

*Chronic* : Possible risk of irreversible effects. Prolonged inhalation or ingestion may cause liver and kidney disorders, central nervous system problems, gastro-intestinal problems and death. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

**Other information** : May cause adverse reproductive effects such as birth defects, miscarriages or infertility based on animal studies.

### 12. ECOLOGICAL INFORMATION

**Ecological Information** It is unknown as to the long term effects on the aquatic environment.

## MATERIAL SAFETY DATA SHEET

Page 5 of 5

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

### 14. TRANSPORT INFORMATION



Dangerous Goods Class : 6.1

U.N. Number : 1888

Hazchem Code : 2Z

Subsidiary Risk : None

CAS Number : 67-66-3

Pack. Group. : III

This product (200mL pack) is not considered to be a dangerous good within the meaning of transportation regulations.

### 15. REGULATORY INFORMATION

Poisons Schedule: S6

Product is regulated by the TGA in Australia. This product complies under ARTG No. 175605

### 16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

**This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.**

End of document